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BULLETIN

— OF THE —

British Columbia Entomological Society

EDITED BY R. V. HARVEY, M. A. VICTORIA, B. C.

QUARTERLY JUNE, 1908 No. 10

(Continued from last issue.)

Hyppa indistincta, Sm. Dr. Dyar records this from Kaslo, but I believe him to be wrong in referring brunneicrista Sm. to the synonymy. I have a specimen from Kaslo, and took one at Laggan last July, which agree with the figure and description of indistincta, and are in my opinion distinct from brunneicrista.

Oncocnemis pudorata, Sm. Hope Pass. Mrs. Nicholl; (Hamps. v. 154).

Oncocnemis albifasciata, Hamps. Equals fasciatus Sm. (Hamps. vi., 152). From north-west B. C.

Setagrotis dolens, Sm. (Can. Ent., xxxviii., 226.) One of the types from Arrowhead Lake.

Paragrotis esta, Sm. (ib. 227.) Described from Wellington; allied to **velleripennis.**

Paragrotis cocklei, Sm. (Annals N. Y. Ac. Sc., xviii., 96.) Described from Kaslo, and compared to **insulsa.**

Paragrotis tristicula, Morr. Windermere, July 12th.

Paragrotis nesilens, Sm. (Jour. N. Y. Ent. Soc., xi., 192.) Same place and date; probably a variety of the above.

Mamestra mystica, Sm. Wilmer, near Windermere, July 9th, one specimen.

Mamestra imbrifera, Guen. Wilmer and Windermere, July 9th to 11th.

Polia glaucopis, Hamps. (Cat. iv., 106). Described from two females from Vancouver Island, and associated with cristifera. Most of our North American Mamestras are placed under Polia by Hampson.

Mamestra acutermina, Sm. (Can. Ent., xxxvi., 153.) Wellington is one of the type localities. It probably represents goodellii in the west.

Mamestra dodii, Sm. (Can. Ent., xxxvi., 152.) Dr. Dyar tells me that one of the specimens recorded from Kaslo as **liquida** is this species.

Anarta impingens, Walk. "Southern B. C." (Lord Derby), two males, type. (Hamps., iv., 45.)

Anarta staudingeri, Auriv. First recorded as North American by Hampson from Labrador. Prof. Smith states, (Ann. N. Y. Ac. Sc., xviii., 108), that he has a specimen in his collection labelled "B. C."

Heliophila anteoclara, Sm. After comparison I so named a Kaslo specimen for Mr. Cockle. My material in **farcta,** however, is much too short to give me an idea of the limits of that species. I saw what I took to be **anteoclara** in Mr. Livingstone's collection.

Heliophila rubripallens, Sm. Kaslo, one female (Hamps., v., 596.) The species was described from California, Colorado, and Utah, and the description denotes a red-tinted form of the oxygale group. Oddly enough, my reddest specimens in this group come from the east.

Heliophila multilinea, Walk. I saw what I believe to be this species in Mr. Livingstone's collection.

Graphiphora bastura, Sm. (Ann. N. Y. Ac. Sc., xviii., 103.) Type from Kaslo

Graphiphora saleppa, Sm. Kaslo, one female (Hamps., v., 596.) The species was described from Cal., Sm. (Trans. Am. Ent. Soc., xxxiii., 132.) Described from Wellington and James Bay, Victoria. Five specimens. Prof. Smith tells me he has praeses (with which he associates it) from B. C. as well.

Xylina ancilla, Sm. (Psyche, June, 1904, p. 57.) One of the types was from Wellington. The form is doubtfully distinct from **holocinerea Sm.**

Xylina verteria, Sm. (ibid. p. 58.) Described from Corvallis, Oregon, and "B. C." The description denotes a form closely allied to the preceding.

Homoglaea dives, Sm. (Trans. Am. Ent. Soc., xxxiii., 131.) Described from Corvallis, Oregon, and Wellington, B. C. Associated with **carbonaria Harv.** It remains to be seen whether the latter name will hold its own in the province.

Rancora albicinerea, Sm. Vancouver Island. (Hamps., vi., 18.)

Copicucullia antipoda, Strk. Penticton. Mrs. Nicholl; (Hamps., vi., 10).

Amathes antapica, Sm. (Trans. Am. Ent. Soc., xxxiii., 134.) Prof. Smith writes, "It is an ally of the **crispa** form of **purpurea** . . . I have no doubt whatever of the distinctness of the two species, and . . . I doubt whether the true purpurea or crispa occurs in the Vancouver faunal region." He has the species from Oregon, Washington, and Corfield, Vanc. Island. Sir George Hampson groups most of our Orthosias, including all those now in the B. C. list, under Kuhner's genus Amathes, and Prof. Smith agrees to the arrangement.

Amathes acta, Sm. (ibid., 133.) Described from the same localities, with the addition of Pullman, Wash., and Livingston, Vancouver (?). Allied to decipiens Grt., which Prof. Smith states he has seen from the east only. (Mr. Cockle has already recorded the species, I notice, in Bulletin 7.)

Amathes dusca, Sm. (Ann N. Y. Acad. Sci., xviii., 117.) Described from over forty specimens from various Manitoba localities, and from Kaslo. The name, judging from Prof. Smith's remarks, will probably have to replace euroa. The species is described as dusca, but **duscata** is written repeatedly in a subsequent paper.

Ipimorpha nanaimo, Barnes. (Can. Ent., xxxvii., 196.) Type from Victoria. "Paler and yellower than pleonectusa, the markings showing dark against a pale ground, while in the old species the reverse is the case." I saw it standing in several coast collections as pleonectusa, which occurs there also.

Drasteria conspicua, Sm. I saw what I took to be this species in Mr. Skinner's collection from Similkameen.

Philometra gaosalis, Walk. Windermere, July 10th-13th. Fairly common.

IMPORTATION OF ENTOMOLOGICAL BOOKS

The following memorandum re admission of entomological books duty-free will be of interest to collectors.

(Copy) CUSTOMS DEPARTMENT, CANADA,

Ottawa, 13th February, 1899.

To Collector of Customs:—

The following memorandum was issued on the 28th July, 1898, to Customs Ports concerned in the importation of entomological books, viz.:

"I beg to advise you that the Minister of Customs has determined that books on entomology, such for example as "Insects Injurious to Vegetation," by Dr. T. M. Harris; "Guide to the Study of Insects," by Dr. A. S. Packard; "Insects Injurious to Fruits," by Dr. Wm. Saunders; "Manual for the Study of Insects," by Prof. J. H. Comstock; "Economic Entomology," by Prof. J. B. Smith; and "Entomology for Beginners," by Dr. A. S. Packard, are entitled to free admission under the provisions of item 464 of the Tariff Act."

You are instructed that free importation of books of the above class is not confined to the special works herein described by name, but that entomological works may be classed as Industrial Books entitled to free entry under Tariff item No. 464.

(Signed) JOHN McDOUGALD,
Commissioner of Customs.

A COLLECTING TRIP THROUGH THE CASCADE MOUNTAINS

By R. V. Harvey and R. S. Sherman

Part II.

In No. 3 of this Bulletin we gave a brief description of this trip, with some accounts of the butterflies met with. As regards the moths, it must be admitted that a camping trip of this nature is not likely to produce a large variety of nocturnal insects. By the time that the catch of the day is sorted and pinned and papered, and the notes written out by the light of a candle, there is not much energy left for lantern-work. Geometers, of course, were taken in some numbers, and included a few very interesting species. I append a list of species taken, with numbers according to Dyar's List.

764. **Pseudohazis eglanterina Bdv.** Seven specimens; very local; only on the Samallow Summit, July 16th.

862. **Diacrisia virginica Fabr.** One, in the Nicolum Valley, July 14th.

872. **Hyphoraia parthenos Harr.** Detached wings only, in Nicolum Valley and on Whipsaw Creek. This species has not been recorded from the coast.

900. **Parasemia plantaginis Linn.** One, on Skaist Summitt (1,800 feet), July 19th. A purely alpine species in this Province; recorded from Mt. Cheam (7,000 ft.)

922. **Halisidota maculata Harr.** Two, Nicolum Valley, July 11th and 13th.

943. **Androloma mac-cullochii Kby.** Two on Skaist Creek, July 18th-19th.

952. **Alypia langtonii Coup.** Common in the Nicolum Valley.

958. **Panthea portlandia Grote.** One, July 10th, Nicolum.

1278. **Hyppa xylinoides Guen.** Quite common at light, from Nicolum up Skaist Creek.

1415. **Adelphagrotis prasina Fabr.** One, July 11th, Nicolum.

Graphiphora communis. Several, Samallow and Skaist, July 16th-17th.

Orthosia sp. A beautifully marked species, pinkish with a blue stigma. Fairly common at light up the Skaist Creek.

2492b. **Autographa californica Spey.** Skagit River, July 17th.

2492a. **Autographa pseudogamma Grote.** One, Similkameen, July 22.

2502. **Autographa octoscripta Grote.** One, Skagit River, July 17th.

2505. **Autographa rectangula Kby.** One, July 16th, Samallow Valley.

2781. **Syneda graphica Hubn.** One on the Skaist, July 17th. (A new record for B. C.)

2799. **Syneda hudsonica G. & R.** Several along the Skaist Creek, July 17th.

3049. **Bleptina caradrinalis Guen.** Nicolum, July 11th.

3081. **Hypena californica Behr.** Skaist Summit, July 17th.

3173. **Habrosyne scripta Gosse.** Two; Nicolum and Samallow, July 11th and 22nd.

3216. **Malacosoma pluvialis Dyar.** Two; Nicolum and Skagit, July 15th and 25th.

3230. **Drepana siculifer Pack.** One, Nicolum, July 13th.

Of the forty-one species of Geometridae taken on this expedition, very few were of any particular rarity or interest from the point of view of distribution, and these have been already noted from time to time in our lists of Additions.

THE SEVENTH ANNUAL MEETING.

This meeting was held at Duncan's on Thursday, April 16th, at the residence of Mr. G. O. Day, Quamichan Lake. President: Rev. G. W. Taylor and Messrs. G. O. Day, A. W. Hanham, E. M. Skinner and R. V. Harvey.

The minutes of the last meeting and the treasurer's accounts having been passed, the following were elected as new members: Miss I. Abercrombie and Miss van Steenweyk, of Vanconver; Messrs. P. Luscombe, Cowichan Bay, and B. R. Elliott, South Gabriola Island.

Proposed by Mr. Day, seconded by Mr. Hanham, and carried unanimously, that the retiring officers be re-elected for the year 1908, as follows:

President, Rev. G. W. Taylor, Departure Bay.

Vice-President, A. H. Bush, Esq., Vancouver.

Secretary-Treasurer, R. V. Harvey, Victoria.

The Chairman said that on the present occasion we greatly missed the presence of a gentleman who had always taken a keen interest in the Society—he referred to the late Mr. Clermont Livingston—and he felt that he was only voicing the general feeling

of the members by expressing their great regret at their loss, and by proposing a vote of condolence with Mrs. Livingston and the family. This motion was carried unanimously, and Mr. G. O. Day was requested to convey the same to Mrs. Livingston.

The Chairman gave a most interesting account of the recently established Dominion Biological Station at Departure Bay.

Mr. Day gave an account fo the species of moths taken by him at the sallows this spring, which included six pieces of Xylomiges, and five of Xylina, among which was a fine series of the rare and handsome **X. baileyi.** Among the geometers were **Jubarella danbyi, Eupithecia nevadata** (rare), and the recently described **Hydriomena manzanita.** Mr. Day also informed the members that the red form of **Graphiphora praeses** had been found to breed quite true to type, and that he was pursuing this investigation by testing it to the second generation.

The meeting then adjourned.

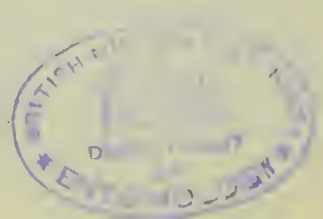
FOOD PLANTS OF BRITISH COLUMBIAN LEPIDOPTERA.

Commencing with this issue, we propose to publish every quarter such information as we can gather as to the food plants of our lepidoptera. The work is, perhaps, rather ambitious, considering the present state of our knowledge, but we think that by making a beginning, however small, we shall encourage those who have the knowledge to give us the benefit of it. If each member who has ever done any breeding or observation of larvae would put down the names of the food plants opposite these of butterflies or moths in our printed list, this could be sent in to the Editor from time to time. Extra copies of the Lepidoptera list will be sent post-free on application for this purpose.

The name of the food plant will, in each case, be followed by the initials of the member contributing the record.

FIRST LIST BUTTERFLIES.

Parnassius smintheus Bb-Hew.....Stonecrop (J. C.)
Papilio eurymedon Bdv.....Ceanothus (J. C.), Hawthorn (E. A.)
rutulus-arizonensis Edw. .....Willow, poplar, apple (J. C.)
Neophasia menapia Feld .....Pine (J. C.), fir.
Pontia napi-venosa Scud.....Cabbage (E. A.)
rapae Linn .....Cabbage, turnip, etc. (E. A.)
Synchloe sara-reakirtii Edw.....Arabis (R. V. H.)
Eurymus eurytheme-eriphyle Edw.....Clover (J. C.)
occidentalis Scud .....Clover (E. A.)
interior Scud .....In fir woods only (J. C.)
Brenthis myrina Cram.....Violets (E. A.)
Lemonias taylori Edw. .....Valerianella (G. W. T.) Camassia (E. A.)
Phyciodes pratensis Behr.....Wild Aster (J. C.)
Polygonia satyrus Edw.....Nettle (J. C.), hop (R. V. H.), poplar (E. A.)
faunus Edw. .....Willow (J. C.)
zephyrus Edw. .....Rhododendron, currant (J. C.)
silenus Edw. .....Alder (E. A.)
Eugonia californica Bdv.....Ceanothus (J. C.)
Euvanessa antiopa Linn.....Willow (J. C.), elm, (V. H.), poplar (E. A.)
Aglais milberti Godt.....Nettle (J. C.)
Vanessa atlanta Linn.....Nettle (J. C.)
huntera Fab .....Nettle? (E. A.)
cardui Linn .....Thistle (J. C.)
carye Hub .....Hollyhock (J. C.)
Basilarchia lorquinii Bdv.....Cottonwood, apple (J. C.), willow (E. A.)
archippus Bdv .....Poplar, willow (E. A.)
Oeneis gigas Butl.....Lichen (E. A.)
Anosia plexippus L. .....Milkweed.
Thecla californica Edw.....Willow (E. A.)
nelsonii Bdv .....Strawberry? (J. C.)
Thanaos icelus Lint.....Willow? (J. C.)



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